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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/985,676	11/05/2001	Pankaj Patel	0023-0056	3995	
44987	7590 11/02/2006		EXAM	INER	
HARRITY SNYDER, LLP 11350 Random Hills Road		•	ISMAIL, SHAWKI SAIF		
SUITE 600			ART UNIT	PAPER NUMBER	
FAIRFAX, VA 22030			2155		
			DATE MAILED: 11/02/2004	DATE MAIL ED. 11/02/2007	

Please find below and/or attached an Office communication concerning this application or proceeding.

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provision of 30° FRI.1360. In no creat, however, may a regly be limbly filled  1 NO period for regly is specified above, the maximum statutory period will apply and will acquire SIV. (8) MONTHS from the mailing date of this communication.  Failure to regly within the set or extended period for regly in specified above, the maximum statutor and period will apply and will acquire SIV. (8) MONTHS from the mailing date of this communication.  Failure to regly within the set or extended period for regly in specified above, the maximum statutor the mailing date of this communication.  Failure to regly within the set or extended period for regly in the period of the communication.  Failure to regly within the set or extended period for regly in the period of the communication.  Failure to regly within the set or extended period for regly in the period of the communication.  Failure to regly within the set or extended period for regly in the mailing date of this communication.  Failure to regly within the set or extended period for regly in the period of the communication.  Failure to regly within the set or extended period for regly with the set or extended period for regly in the mailing date of this communication.  Failure to regly with the set or extended period for regly date of this communication.  Failure to regly within the set or extended period for regly with the set or extended period for regly and the period will apply and the period of the communication.  Failure to regly set of the period will apply and will apply filled.  Failure to regly set of the period will apply and will apply and the period to the mailure period will apply and the period the period will apply and the period the period will apply fill and the period will apply filled.  Failure to regly set of the period will apply and the period will a		Application No.	Applicant(s)				
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The MA/LING DATE of this communication appears on the cover sheet with the correspondence address— Period for Repty  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  Estimation of time may be available used the provision of 37 CFI 13(6). In owe with, Provisor, any reply be limited in the state of the communication.  Failure to pay which has eat or extended paried for reply (i.e. platitude, cause reply limited) and the state of the communication.  Failure to pay which has eat or extended paried for reply (i.e. platitude, cause reply limited) and the state of this communication.  Failure to pay which has eat or extended paried for reply (i.e. platitude, cause reply limited).  Failure to pay which has eat or extended paried for reply (i.e. platitude, cause reply limited).  Failure to pay which has eat or extended paried for reply (i.e. platitude, cause reply limited).  Failure to pay which has eat or extended paried for reply (i.e. platitude).  Failure to pay which has eat or extended paried for reply (i.e. platitude).  Failure to pay which has eat or extended paried for reply (i.e. platitude).  Failure to pay which has eat or extended paried for reply (i.e. platitude).  Failure to pay which has eat or extended paried for reply (i.e. platitude).  Failure to pay which has eat or extended paried for reply (i.e. platitude).  Failure to pay which has eat or extended paried for reply (i.e. platitude).  Failure to pay which has eat or extended paried for reply (i.e. platitude).  Failure to pay which has eat or extended paried for reply (i.e. platitude).  Failure to pay which has eat or extended paried for pay in the pay has a pay to pay the pay	Office Action Summary	Examiner	Art Unit				
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This action is FINAL. 2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 1.2.4.6.7 and 9-23 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) is/are allowed.  6) Claim(s) is/are ejected.  7) Claim(s) is/are objected to.  8) Claim(s) 1.2.4.6.7 and 9-23 are subject to restriction and/or election requirement.  Application Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  *See the attached detailed Office action for a list of the certified copies not received.    Attachment(s)	<ul> <li>WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.</li> <li>Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.</li> <li>If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.</li> <li>Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any</li> </ul>						
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## **RESPONSE TO AMENDMENT**

1. This communication is responsive to amendment received August 15, 2006.

Claims 1, 2, 4, 6, 7, 9-13, 16-17, 19, and 22-23 have been amended.

Claims 3, 5, and 8 have been cancelled.

Claims 1-2, 4, 6-7, 9-23 are pending further examination.

## Election/Restriction

2. After further review and consideration of the recent amendments, it is apparent that a restriction requirement is needed.

Restriction to one of the following is required under 35 U.S.C. 121:

- I. Claims 1-2 and 4 are drawn to a method for performing route lookups classified in class 709, subclass 238.
- II. Claims 6-7 is drawn to a system for processing packet information for routing packets classified in class 709, subclass 223.
- III. Claim 13-18 is drawn to a device for performing route computations and updating the routing information classified in class 709, subclass 242.
- IV. Claims 9-12, and 19-23 are drawn to performing concurrent route lookups by a plurality of processing engines by monitoring processing states of the processing engines classified in class 709, subclass 224.

The inventions are distinct, each from the other because of the following reasons:

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Subcombination-Usable Together

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3. Inventions I, II, III and IV are related as subcombinations disclosed as usable

together in a single combination. The subcombinations are distinct from each other if

they are shown to be separately usable. In the instant case, invention I has separate

utility such as performing route lookups for a plurality of data received via a network.

Invention II has separate utility such as computer network managing. Invention III has

separate utility such as updating routing information for a received data. invention IV

has separate utility such as computer network monitoring. See MPEP § 806.05(d).

4. Because these inventions are distinct for the reasons given above and have

acquired a separate status in the art as shown by their different classification, restriction

for examination purposes as indicated is proper.

5. A telephone call was made to applicant's representative on October 24, 2006 to

request an oral election to the above restriction requirement, but did not result in an

election being made.

6. Applicant is advised that the reply to this requirement to be complete must

include an election of the invention to be examined even though the requirement be

traversed (37 CFR 1.143).

7. Applicant is reminded that upon the cancellation of claims to a non-elected

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invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one

or more of the currently named inventors is no longer an inventor of at least one claim

remaining in the application. Any amendment of inventorship must be accompanied by

a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

**Contact Information** 

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Shawki S Ismail whose telephone number is 571-272-

3985. The examiner can normally be reached on M-F 8:30 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Saleh Najjar can be reached on 571-272-4006. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have guestions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Shawki Ismail Patent Examiner October 25, 2006

SUPERVISORY PATENT EXAMINER